1. */\**
2. *\* C++ Program to Implement Vector in Stl*
3. *\*/*
4. #include <iostream>
5. #include <vector>
6. #include <string>
7. #include <cstdlib>
8. using namespace std;
9. int main()
10. {
11. vector<int> ss;
12. vector<int>::iterator it;
13. int choice, item;
14. while (1)
15. {
16. cout<<"**\n**---------------------"<<endl;
17. cout<<"Vector Implementation in Stl"<<endl;
18. cout<<"**\n**---------------------"<<endl;
19. cout<<"1.Insert Element into the Vector"<<endl;
20. cout<<"2.Delete Last Element of the Vector"<<endl;
21. cout<<"3.Size of the Vector"<<endl;
22. cout<<"4.Display by Index"<<endl;
23. cout<<"5.Dislplay by Iterator"<<endl;
24. cout<<"6.Clear the Vector"<<endl;
25. cout<<"7.Exit"<<endl;
26. cout<<"Enter your Choice: ";
27. cin>>choice;
28. switch(choice)
29. {
30. case 1:
31. cout<<"Enter value to be inserted: ";
32. cin>>item;
33. ss.push\_back(item);
34. break;
35. case 2:
36. cout<<"Delete Last Element Inserted:"<<endl;
37. ss.pop\_back();
38. case 3:
39. cout<<"Size of Vector: ";
40. cout<<ss.size()<<endl;
41. break;
42. case 4:
43. cout<<"Displaying Vector by Index: ";
44. for (int i = 0; i < ss.size(); i++)
45. {
46. cout<<ss[i]<<" ";
47. }
48. cout<<endl;
49. break;
50. case 5:
51. cout<<"Displaying Vector by Iterator: ";
52. for (it = ss.begin(); it != ss.end(); it++)
53. {
54. cout<<\*it<<" ";
55. }
56. cout<<endl;
57. break;
58. case 6:
59. ss.clear();
60. cout<<"Vector Cleared"<<endl;
61. break;
62. case 7:
63. exit(1);
64. break;
65. default:
66. cout<<"Wrong Choice"<<endl;
67. }
68. }
69. return 0;
70. }